

ABSTRACT OF THE DISCLOSURE

A reflective sensor detects the presence of a subject at a detecting position. The sensor has a sensor portion and a filter. The sensor portion includes a light-emitting element that emits light at the detecting position and a light-receiving element that receives light reflected from the subject, and generates an electrical signal corresponding to a quantity of received light. The filter is between the sensor portion and the detecting position, is made of a material that transmits light heading to the detecting position from the light-emitting element and light heading to the light-receiving element from the subject, and prevents intrusion of dust. A filter surface facing the sensor portion is tapered and has an inclined plane opposing the light-emitting element, another inclined plane opposing the light-receiving element, and a ridge portion where the inclined planes meet. The ridge portion extends between the light-emitting element and the light-receiving element.